


IN THE CLAIMS:

Please add new claims 37-72, as indicated in the complete listing of claims provided below.

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1. (previously presented) A method, comprising:
retrieving a first command from a script written for a first color space;
determining a behavior of the first command, wherein the behavior of the first command is:
unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and
processing an operation associated with the first command in a preferred color space according to the behavior of the first command.
 2. (previously presented) The method of claim 1, wherein the preferred color space is determined to minimize color space conversion.
 3. (previously presented) The method of claim 1, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
 4. (previously presented) The method of claim 1, wherein said processing comprises converting data in one input buffer to the preferred color space.

5. (previously presented) The method of claim 1, wherein when the behavior of the first command is unique, the preferred color space is the first color space.
6. (previously presented) The method of claim 1, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
7. (previously presented) The method of claim 6, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.
8. (previously presented) The method of claim 7, wherein the comparable parameters are compatible with the preferred color space.
9. (previously presented) The method of claim 7, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.
10. (previously presented) A computer readable medium having stored thereon sequences of instructions which are executable by a digital processing system, and which, when

executed by the digital processing system, cause the system to perform a method comprising:

retrieving a first command from a script written for a first color space;


determining a behavior of the first command, wherein the behavior of the first command is:


unique when the first command operates only in the first color space,

transparent when the first command generates similar results in the first color space and in a second color space, and


different when the first command generates different results in the first color space and in the second color space; and


processing an operation associated with the first command according to the behavior of the first command.

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11. (previously presented) The computer readable medium of claim 10, wherein a preferred color space is determined to minimize color space conversion in processing the operation associated with the first command.
 12. (previously presented) The computer readable medium of claim 10, wherein said processing the operation associated with the first command is in the second color space when data of at least one of input buffers and output buffers is in the second color space.
 13. (previously presented) The computer readable medium of claim 10, wherein said processing comprises converting data in one input buffer to a preferred format.

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14. (previously presented) The computer readable medium of claim 10, wherein when the behavior of the first command is unique, said processing the operation associated with the first command is in the first color space.
 15. (previously presented) The computer readable medium of claim 10, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
 16. (previously presented) The computer readable medium of claim 15, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.
 17. (previously presented) The computer readable medium of claim 16, wherein the comparable parameters are compatible with the second color space.
 18. (previously presented) The computer readable medium of claim 16, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of first command is unique.
 19. (previously presented) A computer system comprising:

a bus;
a data storage device coupled to said bus; and
a processor coupled to said data storage device, said processor operable to receive instructions which, when executed by the processor, cause the processor to perform a method comprising:
retrieving a first command from a script written for a first color space;
determining a behavior of the first command, wherein the behavior of the first command is:
unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and
processing an operation associated with the first command in a preferred color space according to the behavior of the first command.


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20. (previously presented) The computer system of claim 19, wherein the preferred color space is determined to minimize color space conversion.
21. (previously presented) The computer system of claim 19, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
22. (previously presented) The computer system of claim 19, wherein said processing comprises converting data in one input buffer to the preferred color space.

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23. (previously presented) The computer system of claim 19, wherein when the behavior of the first command is unique, the preferred color space is the first color space.
24. (previously presented) The computer system of claim 19, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
25. (previously presented) The computer system of claim 24, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space using the comparable parameters as the first command in the first color space.
26. (previously presented) The computer system of claim 25, wherein the comparable parameters are compatible with the preferred color space.
27. (previously presented) The computer system of claim 25, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.
28. (previously presented) A computer system, comprising:
means for retrieving a first command from a script written for a first color space;

means for determining a behavior of the first command, wherein the behavior of the first command is:

unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and

means for processing an operation associated with the first command according to the behavior of the first command.

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29. (previously presented) The computer system of claim 28, wherein a preferred color space is determined to minimize color space conversion in processing the operation associated with the first command.
30. (previously presented) The computer system of claim 28, wherein the operation associated with the first command is processed in the second color space when data of at least one of input buffers and output buffers is in the second color space.
31. (previously presented) The computer system of claim 28, wherein means for processing comprises means for converting data in one input buffer to a preferred format.
32. (previously presented) The computer system of claim 28, wherein when the behavior of the first command is unique, the operation associated with the first command is processed in the first color space.

33. (previously presented) The computer system of claim 28, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
34. (previously presented) The computer system of claim 33, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space using the comparable parameters as the first command in the first color space.
35. (previously presented) The computer system of claim 34, wherein the comparable parameters are compatible with the second color space.
36. (previously presented) The computer system of claim 34, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.
37. (new) A machine implemented method, comprising:
retrieving a first command from a script written for a first color space;
determining the first command to be one of:
operating only in the first color space,


generating similar results in the first color space and in a second color space,
and
generating different results in the first color space and in the second color
space; and
processing an operation associated with the first command in a preferred color space
according to a result of said determining.

38. (new) The method of claim 37, further comprising:
determining the preferred color space for the operation associated with the first
command to minimize color space conversion.
39. (new) The method of claim 38, wherein the preferred color space is the second color
space when data of at least one of input buffers and output buffers is in the second
color space.
40. (new) The method of claim 37, wherein said processing comprises:
converting data in one input buffer to the preferred color space.
41. (new) The method of claim 37, wherein when the first command is determined to be
operating only in the first color space, the preferred color space is the first color
space.
42. (new) The method of claim 37, wherein when the first command is determined to be
generating different results in the first color space and in the second color space, the
first command is transformed to a second command in the second color space;

wherein the second command performs a similar operation in the second color space as the first command in the first color space.

43. (new) The method of claim 42, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.

44. (new) The method of claim 43, wherein the comparable parameters are compatible with the preferred color space.

 45. (new) The method of claim 42, wherein if one or more parameters of the first command cannot be transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space, the first command is processed as if the first command operates only in the first color space.

46. (new) A machine readable medium containing executable computer program instructions which when executed by a data processing system cause said system to perform a method, comprising:

retrieving a first command from a script written for a first color space;


identifying the first command as one of:

operating only in the first color space,

generating similar results in the first color space and in a second color space,

and


generating different results in the first color space and in the second color space; and
processing an operation associated with the first command in a preferred color space according to a result of said identifying.


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47. (new) The medium of claim 46, wherein the method further comprises:
determining the preferred color space for the operation associated with the first command to minimize color space conversion.
48. (new) The medium of claim 47, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
49. (new) The medium of claim 46, wherein said processing comprises:
converting data in one input buffer to the preferred color space.
50. (new) The medium of claim 46, wherein when the first command is identified as operating only in the first color space, the preferred color space is the first color space.
51. (new) The medium of claim 46, wherein when the first command is identified as generating different results in the first color space and in the second color space, the first command is transformed to a second command in the second color space; wherein the second command performs a similar operation in the second color space as the first command in the first color space.

52. (new) The medium of claim 51, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.
53. (new) The medium of claim 52, wherein the comparable parameters are compatible with the preferred color space.
54. (new) The medium of claim 51, wherein if one or more parameters of the first command cannot be transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space, the first command is processed as if the first command is identified as operating only in the first color space.
55. (new) A data processing system, comprising:
memory storing a script written for a first color space;
a processor coupled with the memory, the process retrieving a first command from the script stored in the memory, in response to the processor classifying the first command as one of:
operating only in the first color space,
generating similar results in the first color space and in a second color space,
and
generating different results in the first color space and in the second color space,

the processor processing an operation associated with the first command in a preferred color space according to a result of classifying the first command.


56. (new) The system of claim 55, wherein the processor further determines the preferred color space for the operation associated with the first command to minimize color space conversion.
57. (new) The system of claim 56, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
58. (new) The system of claim 55, wherein in processing the operation associated with the first command, the processor converts data in one input buffer to the preferred color space.
59. (new) The system of claim 55, wherein when the first command is classified as operating only in the first color space, the preferred color space is the first color space.
60. (new) The system of claim 55, wherein when the first command is classified as generating different results in the first color space and in the second color space, the first command is transformed to a second command in the second color space; wherein the second command performs a similar operation in the second color space as the first command in the first color space.

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61. (new) The system of claim 60, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.
62. (new) The system of claim 61, wherein the comparable parameters are compatible with the preferred color space.
63. (new) The system of claim 60, wherein if one or more parameters of the first command cannot be transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space, the first command is re-classified as operating only in the first color space.
64. (new) A computer system, comprising:
means for retrieving a first command from a script written for a first color space;
means for examining to determine the first command is which one of:
 operating only in the first color space,
 generating similar results in the first color space and in a second color space,
 and
 generating different results in the first color space and in the second color space; and
means for processing an operation associated with the first command in a preferred color space according to a result of said means for examining to determine.

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65. (new) The computer system of claim 64, further comprising:
means for determining the preferred color space for the operation associated with the
first command to minimize color space conversion.
66. (new) The computer system of claim 65, wherein the preferred color space is the
second color space when data of at least one of input buffers and output buffers is in
the second color space.
67. (new) The computer system of claim 64, wherein said means for processing
comprises:
means for converting data in one input buffer to the preferred color space.
68. (new) The computer system of claim 64, wherein when the first command operates
only in the first color space, the preferred color space is the first color space.
69. (new) The computer system of claim 64, wherein when the first command generates
different results in the first color space and in the second color space, the first
command is transformed to a second command in the second color space; wherein the
second command performs a similar operation in the second color space as the first
command in the first color space.
70. (new) The computer system of claim 69, wherein one or more parameters of the first
command are transformed to comparable parameters for the second command such

that the second command performs the similar operation in the second color space as the first command in the first color space.

71. (new) The computer system of claim 70, wherein the comparable parameters are compatible with the preferred color space.



72. (new) The computer system of claim 69, wherein if one or more parameters of the first command cannot be transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space, the first command is processed as if the first command operates only in the first color space.
